LISTING OF CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

1. (Currently Amended) A machine-implemented method~~,~~ comprising:

in response to receiving an indication to edit a region of an image, distorting a predetermined portion of a first layer of the image to produce a distorted image for the region having a magnification that is not uniform across the region;

overlaying the distorted image on a second layer of the image to ~~produce~~ present an overlaid image ~~for presentation~~ on a display; [[and]]

altering a presentation for the first layer on the display in response to edits made to the first layer;

propagating edits made to the first layer of the overlaid image through to a presentation for the second layer on the display; and ~~one or more remaining layers of the image.~~

saving edits made to the presentations for the first layer and the second layer as one or more bookmarks that permit subsequent recall and application to the first layer and the second layer.

2. (Currently Amended) The machine-implemented method of claim 1 wherein the distorting further includes:

creating a lens surface for the distorted image; and

transforming the predetermined portion of the first layer by applying a distortion function to define the lens surface to the predetermined portion of the first layer.

3. (Currently Amended) The machine-implemented method of claim 2 wherein the creating further includes displaying a graphical user interface ("GUI") over the distorted image for adjusting the lens surface.

4. (Currently Amended) The machine-implemented method of claim 3 wherein the lens surface includes a focal region and a base region and the GUI includes:

an icon configured to adjust ~~for adjusting~~ a magnification for the lens surface;

an icon configured to adjust ~~for adjusting~~ a degree of scooping for the lens surface;

an icon configured to adjust ~~for adjusting~~ a size and a shape for the focal region;

an icon configured to adjust ~~for adjusting~~ a size and a shape for the base region;

an icon configured to adjust ~~for adjusting~~ a location for the lens surface within the first layer;

an icon configured to adjust ~~for adjusting~~ a location for the base region within the first layer; or

a fold control element configured to adjust a degree and direction of folding of ~~an icon for adjusting a location for~~ the focal region relative to the base region.

5. (Currently Amended) The machine-implemented method of claim 3 [[4]] wherein the GUI further supports at least one of an icon or a keyboard input for switching between the first and second layers.

6. (Currently Amended) The machine-implemented method of claim 3 [[5]] wherein the GUI further supports at least one of an icon or a keyboard input for selecting among the first and second layers.

7. (Currently Amended) The machine-implemented method of claim 3 [[6]] wherein the GUI further supports at least one of an icon or a keyboard input for selecting a folded lens surface.

8. (Currently Amended) The machine-implemented method of claim 7 wherein the folded lens surface includes a second focal region for displaying a portion of the second layer.

9. (Currently Amended) The machine-implemented method of claim 8 wherein the focal region is folded away from an original position relative to the base region.

10. (Currently Amended) The machine-implemented method of claim 8 [[9]] wherein the second focal region is located at the original position.

11. (Currently Amended) The machine-implemented method of claim 10 wherein the GUI further supports at least one of an icon or a keyboard input for selecting a user adjustable window for display in the focal region.

12. (Currently Amended) The machine-implemented method of claim 11 wherein the window is configured to display a portion of the second layer.

13. (Currently Amended) The machine-implemented method of claim 4 wherein the adjusting is performed and the indication is generated responsive to an input to cause movement of a cursor on the display.

14. (Currently Amended) The machine-implemented method of claim 1 wherein the first or second layers are one or more of raster, vector, point, or geo-referenced data layers.

15. (Currently Amended) The machine-implemented method of claim 1 wherein the indication, region, predetermined portion, first layer, distorted image, or second layer includes a plurality of the indications, regions, predetermined portions, first layers, distorted images, or second layers, respectively.

16-18. (Canceled).

19. (Currently Amended) The machine-implemented method of claim [[18]] 1, further comprising ~~wherein the editing includes~~ applying the one or more bookmarks to alter presentations for the first layer and the second layer.

20. (Currently Amended) A machine-implemented method comprising:

distorting a predetermined portion of a first layer of an image to produce a distorted image for a region of the image having a magnification that is not uniform across the region; [[and]]

overlaying the distorted image on a second layer of the image for presentation on a display;

altering a digital representation for the first layer in response to edits made to the first layer;

propagating edits made to the first layer to a digital representation of the second layer to obtain an altered digital representation of the second layer; and

saving the altered digital representation for the first layer and the altered digital representation for the second layer.

21. (Currently Amended) The machine-implemented method of claim 20 wherein the distorting further includes:

creating a lens surface for the distorted image; and

transforming the predetermined portion of the first layer by applying a distortion function to define the lens surface to the predetermined portion of the first layer.

22. (Currently Amended) The machine-implemented method of claim 21 wherein the creating further includes displaying a graphical user interface ("GUI") to adjust the lens surface.

23. (Currently Amended) The machine-implemented method of claim 22 wherein the lens surface includes a focal region and a base region and the GUI includes:

an icon configured to adjust ~~for adjusting~~ a magnification for the lens surface;

an icon configured to adjust ~~for adjusting~~ a degree of scooping for the lens surface;

an icon configured to adjust ~~for adjusting~~ a size and a shape for the focal region;

an icon configured to adjust ~~for adjusting~~ a size and a shape for the base region;

an icon configured to adjust ~~for adjusting~~ a location for the lens surface within the first layer;

an icon configured to adjust ~~for adjusting~~ a location for the base region within the first layer; or

a fold control element configured to adjust a degree and direction of folding of ~~an icon for adjusting a location for~~ the focal region relative to the base region.

24. (Currently Amended) The machine-implemented method of claim 22 [[23]] wherein the GUI further supports at least one of an icon or a keyboard input for switching between the first and second layers.

25. (Currently Amended) The machine-implemented method of claim 22 [[24]] wherein the GUI further supports at least one of an icon or a keyboard input for selecting among the first and second layers.

26. (Currently Amended) The machine-implemented method of claim 22 [[25]] wherein the GUI further supports at least one of an icon or a keyboard input for selecting a folded lens surface.

27. (Currently Amended) The machine-implemented method of claim 26 wherein the folded lens surface includes a second focal region for displaying a portion of the second layer.

28. (Currently Amended) The machine-implemented method of claim 27 wherein the focal region is folded away from an original position relative to the base region.

29. (Currently Amended) The machine-implemented method of claim 27 [[28]] wherein the second focal region is located at the original position.

30. (Currently Amended) The machine-implemented method of claim 29 wherein the GUI further supports at least one of an icon or a keyboard input for selecting a user adjustable window for display in the focal region.

31. (Currently Amended) The machine-implemented method of claim 30 wherein the window is configured to display a portion of the second layer.

32. (Currently Amended) The machine-implemented method of claim 23 wherein the adjusting is performed responsive to an input to cause movement of a cursor on the display.

33. (Currently Amended) The machine-implemented method of claim 20 wherein the first or second layers are one or more of raster, vector, point, or geo-referenced data layers.

34. (Currently Amended) The machine-implemented method of claim 20 wherein the ~~indication,~~ region, predetermined portion, first layer, distorted image, or second layer includes a plurality of the ~~indications,~~ regions, predetermined portions, first layers, distorted images, or second layers, respectively.

35. (Canceled).

36. (Currently Amended) A data processing system comprising:

a processor;

a display; and

memory comprising instructions that are executable on the processor to cause the data processing system to perform operations comprising:

in response to receiving an indication to edit a region of an image, distorting a predetermined portion of a first layer of the image to produce a distorted image for the region having a magnification that is not uniform across the region;

overlaying the distorted image on a second layer of the image to ~~produce~~ present an overlaid image ~~for presentation~~ on [[a]] the display; [[and]]

altering a presentation for the first layer on the display in response to edits made to the first layer;

propagating edits made to the first layer of the overlaid image through to a presentation for the second layer on the display; and ~~one or more remaining layers of the image.~~

saving edits made to the presentations for the first layer and the second layer as one or more bookmarks that permit subsequent recall and application to the first layer and the second layer.

37. (Previously Presented) The data processing system of claim 36 wherein the distorting further includes:

creating a lens surface for the distorted image; and

transforming the predetermined portion of the first layer by applying a distortion function to define the lens surface to the predetermined portion of the first layer.

38. (Previously Presented) The data processing system of claim 37 wherein the creating further includes displaying a graphical user interface ("GUI") over the distorted image for adjusting the lens surface.

39. (Previously Presented) The data processing system of claim 38 wherein the GUI further supports at least one of an icon or a keyboard input for switching between the first and second layers.

40. (Currently Amended) The data processing system of claim 38 [[39]] wherein the GUI further supports at least one of an icon or a keyboard input for selecting the first [[of]] or second layers.

41. (Currently Amended) The data processing system of claim 38 [[40]] wherein the GUI further supports at least one of an icon or a keyboard input for selecting a folded lens surface.

42. (Currently Amended) The data processing system of claim 41 wherein the folded lens surface includes a focal region, a base region, a second focal region for displaying a portion of the second layer.

43. (Previously Presented) The data processing system of claim 42 wherein the focal region is folded away from an original position relative to the base region.

44. (Previously Presented) The data processing system of claim 43 wherein the GUI further supports at least one of an icon or a keyboard input for selecting a user adjustable window for display in the focal region.

45. (Previously Presented) The data processing system of claim 44 wherein the window displays a portion of the second layer.

46. (Canceled).

47. (Currently Amended) The data processing system of claim 36 [[46]] wherein the instructions further cause the data processing system to perform operations comprising ~~edits are saved as bookmarks and wherein the editing includes~~ applying the one or more bookmarks to alter presentations for the first layer and the second layer.

48. (Currently Amended) One or more computer-readable media comprising instructions stored thereon that, responsive to execution by a data processing system, causes the data processing system to perform operations comprising:

in response to receiving an indication to edit a region of an image, distorting a predetermined portion of a first layer of the image to produce a distorted image for the region having a magnification that is not uniform across the region;

overlaying the distorted image on a second layer of the image to ~~produce~~ present an overlaid image ~~for presentation~~ on a display; [[and]]

altering a presentation for the first layer on the display in response to edits made to the first layer;

propagating edits made to the first layer of the overlaid image through a presentation for the second layer on the display; and ~~to one or more remaining layers of the image.~~

saving edits made to the presentations for the first layer and the second layer as one or more bookmarks that permit subsequent recall and application to the first layer and the second layer.

49. (Previously Presented) The one or more computer-readable media of claim 48, wherein the distorting further includes:

creating a lens surface for the distorted image; and

transforming the predetermined portion of the first layer by applying a distortion function to define the lens surface to the predetermined portion of the first layer.

50. (New) The machine-implemented method of claim 20, wherein said saving comprises saving the altered digital representation for the first layer and the altered digital representation for the second layer to a disk drive.

51. (New) The machine-implemented method of claim 20, wherein:

said distorting comprises producing a focal region with uniform magnification of the first layer and a plurality of shoulder regions about the focal region, and

each shoulder region of the plurality of shoulder regions presenting a different layer of the image with non-uniform magnification.